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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/181,585

DATE: 11/05/1998  
TIME: 18:17:05

Input Set: I181585.RAW

This Raw Listing contains the General Information  
Section and up to first 5 pages.

*new format***ENTERED**

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1  <110> APPLICANT: Ranum, Laura P.W.
2      Koob, Michael
3  <120> TITLE OF INVENTION: SPINOCEREBELLAR ATAXIA TYPE 8 AND METHODS OF DETECTION
4  <130> FILE REFERENCE: 11000900101
5  <140> CURRENT APPLICATION NUMBER: US/09/181,585
6  <141> CURRENT FILING DATE: 1998-10-28
7  <160> NUMBER OF SEQ ID NOS: 18
8  <170> SOFTWARE: PatentIn Ver. 2.0
9  <210> SEQ ID NO 1
10 <211> LENGTH: 1159
11 <212> TYPE: DNA
12 <213> ORGANISM: Homo sapiens
13 <400> SEQUENCE: 1
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15      ggtaatatcc atgaagtcac tggtaatttt acattttaaa atatgcagta tgaattgcat 120
16      atatatgact tcttaaatgt caacacattt atcttaaadc atttatcgaa gtatgagaag 180
17      tacctatcat attttggtaa ataatacctt taggtttttc ctagtctctg gctccagact 240
18      aaccatcttg acctgtcatt ctagttttta cttctgagac attctatagt ctgtgtctga 300
19      tattctctac tatttcctca tttgtccttg cattcagatt gccttttctg actcccagct 360
20      tccacggaga gattaactct gttggctgaa gccctatccc aattccttgg ctagaccctg 420
21      ggtccttcat gttagaaac ctggctttac tactactact actactacta ctactactac 480
22      tactgctact gctgctgctg ctgctgctgc tgctgctgct gctgctgctg ctgctgctgc 540
23      tgctgctgct gctgctgctg ctgctgctgc tgctgctgct gctgctgctg ctgctgctgc 600
24      tgctgctgct gctgctgctg ctgctgctgc tgctgctgct gctgctgctg ctgctgctgc 660
25      tgctgctgct gctgctgctg ctgctgctgc tgctgctgct gctgctgctg ctgctgctgc 720
26      tgctgcattt tttaaaaata tattatctta ttttactatt tgatgttata attgttatat 780
27      atttttccat acttctctcat actgcttacc tcttacttaa gaatttatga ataaagaatt 840
28      gatttttcaa tacatccttc caaaaattat ctgatgttga gttagttgct ctctcttgctg 900
29      cattctcagt cctcacaagc ctttctcaaa cacaatgttt atcaaagaaa attgtagcaa 960
30      ccaatatact tagtggaatt tctcacagag tttgagtgtg ggaaacagta ttcactgtat 1020
31      attagtcatt ttgctcccaa tagaaggtgc ataacataaa ttatttaagt ggatgaatgc 1080
32      tttattttcc tttataaaag taccttcttg cttcactgac atttctatac aactattctt 1140
33      gtaagcaagg aatgaattc                                     1159
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35 <211> LENGTH: 1471
36 <212> TYPE: DNA
37 <213> ORGANISM: Artificial Sequence
38 <220> FEATURE:
39 <223> OTHER INFORMATION: Description of Artificial Sequence: cDNA
40      comprising exons D, C, B, and A
41 <400> SEQUENCE: 2
42      atccttcacc tgttgccctgg ctagagttgt ctggctccac tttgagctct tgcagaacca 60
43      gccctttttc gtgtgggtcca ggaaagtcca tgccctggcag cacctcctcc tctagtgaact 120
44      ccacgtagaa gagagtccctg gctggctgct gagtgcctctg cccaggagcc ccttgctgca 180

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45      gcctcgtggc aactggaagc aggggtgccat tcagcggatt gaaggaagag gaggaagagg 240
46      acggggagga cgatgaagag gaagaggagg aaggcttctt ccagaaagtg ctcacaccgc 300
47      ttctctcttg gcttttgagc aggcgactct ggctgggtcc ccagtgtctc aagctgccac 360
48      tgccgtcctg ttgcaggcag cctccccccg ccggggccgc ggtggaagga gacgggtggc 420
49      tgaagagttt ccagcggagt cgcagaatgt gcttcacatc gaagtctttt cgcccagagc 480
50      ctgacatgct ttacgcacag aaggcaaaag gctggcagct cacgcagggt tctggagggt 540
51      gggaaagttca agaccaatgc acgagaattt ggtctaaaga gaatcttctt gctctgaaca 600
52      cacatagtag aaggcagaag ggcaagagag agaacaaagt ctgtgtctcc acatggcaga 660
53      agagcagagg agacagaacc tactcctcta tggcaaccac cccatcaatg acaaaaatcc 720
54      tagaaggatg tatgtatagg aagttgaagt gttgagaaga gaatggctca gagtcaagcg 780
55      ggaacaagat tcaaacttca gagagagagg gaagaaaaac atttaaatat atctggcata 840
56      atccagacta tttacgacaa gtgttctgtg tttctaataa taaaacagac ttcacctcgg 900
57      agtacctgca gaactgggac cccaatgacc agggagaatg aagaacaact tgtttgaaga 960
58      ttgccttttc tgactccag cttccacgga gagattaact ctgttggtcg aagccctatc 1020
59      ccaattcctt ggctagaccc tgggtccttc atgttagaaa acctggcttt actactacta 1080
60      ctactactac tactactact actactgcta ctgctgctgc tgctgctgct gctgctgctg 1140
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63      ctgctgctgc tgctgctgct gctgctgctg ctgctgctgc tgctgctgct gctgctgctg 1320
64      ctgctgctgc tgctgctgct gctgctgcat tttttaaaaa tatattatct tattttacta 1380
65      tttgatgtta taattgttat atatttttcc atacttctc atactgctta tctcttactt 1440
66      aagaatttat gaataaagaa ttgatttttc a                                     1471

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67 &lt;210&gt; SEQ ID NO 3

68 &lt;211&gt; LENGTH: 1037

69 &lt;212&gt; TYPE: DNA

70 &lt;213&gt; ORGANISM: Artificial Sequence

71 &lt;220&gt; FEATURE:

72 <223> OTHER INFORMATION: Description of Artificial Sequence: cDNA  
73 comprising exons E, C, and A

74 &lt;400&gt; SEQUENCE: 3

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76      gatgccccga tagcctgccg ggtggctctg agaaagtcaa ttgctttctg caatgccaga 120
77      agaggtgggt ttatatagtc agtttgtaaa agagaaaaat agatattcta gcgcataatg 180
78      ggaggcaaaa gaaaaagccc gcctgtgaag ctgtcaagggt cctcacagta caattttctc 240
79      tctgcctcag cgctcctcc tcccccttct ggaggctggg aagttcaaga ccaatgcacg 300
80      agaatttggt ctaaagagaa tcttcttgct ctgaacacac atagtagaag gcagaagggc 360
81      aagagagaga acaaagtctg tgtctccaca tggcagaaga gcagaggaga cagaacctac 420
82      tctctatagg caaccacccc atcaatgaca aaaatcctag aaggatgtat gtataggaag 480
83      ttgaagtgtt gagaagagaa tggctcagag tcaagcggga acaagattgc cttttctgac 540
84      tcccagcttc cacggagaga ttaactctgt tggctgaagc cctatcccaa ttcttgggt 600
85      agaccctggg tccttcattg tagaaaacct ggctttacta ctactactac tactactact 660
86      actactacta ctgctactgc tgctgctgct gctgctgctg ctgctgctgc tgctgctgct 720
87      gctgctgctg ctgctgctgc tgctgctgct gctgctgctg ctgctgctgc tgctgctgct 780
88      gctgctgctg ctgctgctgc tgctgctgct gctgctgctg ctgctgctgc tgctgctgct 840
89      gctgctgctg ctgctgctgc tgctgctgct gctgctgctg ctgctgctgc tgctgctgct 900
90      gctgctgctg ctgcattttt taaaaatata ttactttatt ttactatttg atgttataat 960
91      tgttatatat ttttccatac ttctccatac tgcttatctc ttacttaaga atttatgaat 1020
92      aaagaattga tttttca                                     1037

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93 &lt;210&gt; SEQ ID NO 4

94 &lt;211&gt; LENGTH: 27

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95 <212> TYPE: DNA
96 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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100      tcaattcttt attcataaat tcttaag 27
101 <210> SEQ ID NO 5
102 <211> LENGTH: 30
103 <212> TYPE: DNA
104 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
107 <400> SEQUENCE: 5
108      ttgagaaag gcttgtagg actgagaatg 30
109 <210> SEQ ID NO 6
110 <211> LENGTH: 23
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
115 <400> SEQUENCE: 6
116      cctcatgtta gaaaactggc ttt 23
117 <210> SEQ ID NO 7
118 <211> LENGTH: 23
119 <212> TYPE: DNA
120 <213> ORGANISM: Artificial Sequence
121 <220> FEATURE:
122 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
123 <400> SEQUENCE: 7
124      acccagccag agtcgcctgc tca 23
125 <210> SEQ ID NO 8
126 <211> LENGTH: 29
127 <212> TYPE: DNA
128 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
131 <400> SEQUENCE: 8
132      gtaagagata agcagtatga ggaagtatg 29
133 <210> SEQ ID NO 9
134 <211> LENGTH: 26
135 <212> TYPE: DNA
136 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
139 <400> SEQUENCE: 9
140      ggtccttcac gtagaaaac ctggct 26
141 <210> SEQ ID NO 10
142 <211> LENGTH: 682
143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence

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145 <220> FEATURE:
146 <223> OTHER INFORMATION: Description of Artificial Sequence: cDNA from BKRP
147 transcript
148 <400> SEQUENCE: 10
149 agtggacaca gatggcttcc ttgaatattg ggagagcagg tgctgtgtg gtagtcatca 60
150 agcaaccttg acttattgat attttacttg gaaagatttt acttgctgga gtggttattt 120
151 ttatattgaa tggcaagaat gagaacttcc agagatgaaa actcttcaag aacaaggatc 180
152 tctgtagcgt tacctactga tgttgaaaga gttagtagat caaacagaat agtaggaaac 240
153 aagaaaacat taaacttata caggaaaaat gtctggccat atgttagtta gttcgggaat 300
154 gggtattggg aatttggttt gtattatagc atacaataac tagagttacc aaaggcttgt 360
155 tttttcttga gcagttgaaa ggagagacca atatttgatga catggatagt ttcattgacca 420
156 caactcattc aatcatttta tagtctatgg caatatccaa gagattgcca agagtagaag 480
157 acagaatatt tcatctgaca gtatctgatt gggttactgt ttttctaata atatgtgggtc 540
158 ataacgggaa gcagaattat gctttattca aacaaacctg cttctgcctc attttcttaa 600
159 gctatgagaa caattagaga aacagattca tgcttgtatc ttgcattcag aaaacaaact 660
160 gtcctactaa tcaaagctgc at 682
161 <210> SEQ ID NO 11
162 <211> LENGTH: 24
163 <212> TYPE: DNA
164 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
167 <400> SEQUENCE: 11
168 cttcatcgtc ctccccgtcc tctt 24
169 <210> SEQ ID NO 12
170 <211> LENGTH: 25
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
175 <400> SEQUENCE: 12
176 gccctatccc aattccttgg ctaga 25
177 <210> SEQ ID NO 13
178 <211> LENGTH: 29
179 <212> TYPE: DNA
180 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
183 <400> SEQUENCE: 13
184 gtctagccaa ggaattggga tagggcttc 29
185 <210> SEQ ID NO 14
186 <211> LENGTH: 25
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
191 <400> SEQUENCE: 14
192 gactccgctg gaaactcttc agcca 25
193 <210> SEQ ID NO 15
194 <211> LENGTH: 27

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195 <212> TYPE: DNA
196 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
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201 <210> SEQ ID NO 16
202 <211> LENGTH: 22
203 <212> TYPE: DNA
204 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
207 <400> SEQUENCE: 16
208      ttgaatggcc gggtgatgac ag 22
209 <210> SEQ ID NO 17
210 <211> LENGTH: 23
211 <212> TYPE: DNA
212 <213> ORGANISM: Artificial Sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
215 <400> SEQUENCE: 17
216      ctgctgagtg ccctgcccag gag 23
217 <210> SEQ ID NO 18
218 <211> LENGTH: 25
219 <212> TYPE: DNA
220 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
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223 <400> SEQUENCE: 18
224      gtagtagtag tagtaaagcc aggtt 25
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**VERIFICATION SUMMARY**  
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Line ? Error/Warning

Original Text

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